AMIGURA, S.A., AURMATEV, R.Kh.; Eleten, S.I., Controls, I.e.,

Enturbries testing of the chlororation of vacation controling
fused convertor slag. Izv.yys.ucheb.zav.; bivetires. 6 no.35
79-84 165. (Miss 13st)

J. Formakly politekbnithoskiy anatatut i Controlaksy auracycrov
vavot. Satatated November 2, 1964.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927720014-9"

GERASIMOV, Yu.V.; GALYATIN, V.M.; Prinimal uchastiye KURMAYEV, S.G.

Investigating conditions of the slowing-down of the workpiece by the outlet table fellowing ejection. [Shor. trud.] TSNIICHM no.29:121-127 '63. (MIRA 17:4)

OGANDZHANYANTS, V.G.; ASLANOV, R.T.; KURMAYEV, Sh.Kh.

Method for the experimental study of the effect of well spacing on the water flooding of petroleum from a nonuniform bed. Trudy VNII no.42:30-42 '65. (MIRA 18:5)

USSR/Physiology of Plants - Photosynthesis.

I.

Abs Jour

: Ref Zhur - Biol., No 15, 1953, 67788

Author

: Darchiya, Sh.P., Kurmayeva, A.Kh., Klinger, V.G.

Inst

: Academy of Sciences KazSSR.

Title

: A Comparison of the Spectral Luminosity of Live and Torn-

Off Plant Leaves.

Orig Pub

: Tr. Sektora astrobotan. AN KazSSR, 1957, 5, 174-186.

Abstract

: Photographs were taken of the reflection spectra of leaves of the second stratum of lilac, jasmine, and wild mallow; then the leaves were removed from the plants and photographed immediately. Additional photographs were taken after 5, 10, 20, and 40 minutes, one hour, and two hours. Several series of spectrograms of gypsum and barite screens served as a photometric scale. Standard and ultra-violet

spectrographs were used with a glass optic.

Card 1/2

USSR/Physiology of Plants - Photosynthesis CIA-RDP86-00513R000927720014-9"

APPROVED FOR RELEASE: 06/19/2000 : Ref Zhur - Biol., No 15, 1958, 67788

From a comparison of the cuurse of spectral curves for live and torn-off leaves it was found that in the course of the day there were no important variations in the optical characteristics of the leaf, regardless of when it was torn off the plant. The spectral curves were also compared for sunlight and artificial illumination. On the basis of the data acquired the authors consider that by studying the leaves torn off the plant under artificial illumination, it is possible to determine the complete light balance of the plants, to examine the plants in any weather and regardless of their place of growth, to trace the 24-hour course of photosynthesis by using the curves of spectral luminosity of the plants, and to conduct parallel experiments by the spectro-analysis and physiological methods.

Card 2/2

| almost constant. It 1 | ry 1960. In the winter mo<br>wind came up. During the<br>s concluded that the Chech<br>rious kinds of astronomica | summer the image qual | ity remained |
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| Card 2/2              |   |                       | <u>.</u> 4   |
|                       |   |                       |              |

Minathaya, M. Th.

Kurmayeva, M. Ye. - "Cell reaction in lung tissue of various animals during experimental tubercalosis," Collection 1, M. Ye. Kurmayeva. "Changes in the lung tissue of gulnea pigs during intrapalmonary introduction of virulent Cos bacilli," Collection 2, M. Ye. Kurmayeva. "Changes in the lung tissue of white rats during intraplumonary introduction of BTsZH," Collection 3, M. Ye. Kurmayeva. "Changes in lung tissue of white rats during intrapulmonary introduction of Cox bacilli," Trudy Cmshogo med. in-ta im. Kalinina, No. 10, 1946, p. 141-43 - Bibliog: p. 141-43

SO: U-3600, 10 July 53, (Letopis 'Zhurnal 'nykh Statoy, No. 6, 1949).

Kurmayeva, E. Te - "The effect of lymphotherapy on the ticcue reaction of the lungs during experimental tuberculosis in different animals," Trudy Cuskogo med. in-ta im. halinina, No. 10, 1943, p. 145-53

S0: U-3600, 10 July 53, (Letopia 'Zhurnal 'nykh Statoy, No. 6, 1949)

hurseyova, H. Ye. and Aldren-Aldrenovich, R. E. - "on the henouringle (alayett) of Franco," Trudy (modego med. in-ta in habinin, No. 19, 1989, p. 173-78

30: 3-3609, 19 July 53, (Letopic Valurnal Tryth States, No. 6, 1989)

KURMAYEVA, M. Ye.

KURMAYEVA, M. Ye.: "The clinical-morphological aspects of reactivity in human lung tuberculosis under wartime conditions." Omsk: State Medical Inst imeni M. I. Kalinin. Omsk, 1956. (Dissertations for the Degree of Doctor in Medical Sciences).

SO: Knizhnays Letopis' No. 22, 1956

KURMAYEVA, M. Ve., doktor med. nauk

Cardiac changes in tuberculosis. Probl. tub. 36 no.8:57-62 '58.

1. Iz kafedry fakul'tetskoy terapii (zav. - prof. R. M. Akhrem-Akhremovich)

Omskogo meditsinskogo instituta.

(TUBERCULOSIS) (HEART--DISEASES)

KURMAYEVA, M.Ye., doktor meditsinskikh nauk; SOKOL'SKIY, I.R., vrach

History of the control of tuberculosis in Omsk and in Omsk Province. Trudy OMI no.25:55-63 '59. (MIRA 14:10)

1. Iz kafedry fakul tetskoy terapii Omskogo meditsinskogo instituta imeni Kalinina, zav. kafedroy prof. R.M.Akhremovich i Omskogo oblastnogo protivotuberkuleznogo dispansera, glavnyy vrach A.D. Sysina.

(OMSK PROVINCE\_TUBERCULOSIS)

KURMAYEVA, M. Ye., prof. (Yaroslavl')

Clinical morphological characteristics of fatal cases of brucellosis. Klin.med. no.3:46-50 \*62. (MIRA 1/23)

1. Iz kafedry fakul tetskoy terapii (zav. - zasluzhenny deyatali nauki prof. R.M. Akhrem-Akhremovich) Omskogo meditsinskego instituta imeni M.I. Kalinina i kafedry fakul tetskoy terapii (zav. - prof. M.Ye. Kurmayeva) Yaroslavskogo meditsinskogo instituta. (BRUCELLOSIS)

KURMAYEVA, M.Ye., prof.

Some clinical, biochemical and hematological tests in rheumatic fever characterizing its activity. Vop. revm. 3 no.4:39-45 0-D 163. (MIRA 17:2)

l. Iz kafedry fakul tetskoy terapii (zav. - prof. M.Ye. Kurmayeva) Yaroslavskogo meditsinskogo instituta.

Kermany, here, prof.

Clinical manifestations of primary petachary toberessosis in adults. Sov. med. 27 no.2:3-8 F '64.

1. Kafedra fakul'tetakoy terapii (zav. - prof. M.Ye. Kurmayova)
Yaroslavskogo meditsinskogo instituta.

TARCHEVSKIY, I.A.; KURMAYEVA, S.A.; VDOVINA, A.I.

Change in the trend of photosynthesis in plants transplanted under the canopy of the forest. Bot. zhur. 47 no.9:1366-1369 S '62.

1. Kazanskiy gosudarstvenny; universitet. (MIRA 16:5)

(Photosynthesis) (Forest ecology)

BALKOV, Mikhail Nikolayevich[deceased]; KURMAYEVA, V.M., red.; RADNAYEV, A.N., tekhn. red.

[Buryat cattle, its origin and ways for its improvement]Buriatskii krupnyi rogatyi skot, ego proiskhozhdenie i puti ulushcheniia. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1962. 249 p. (MIRA 16:3)

(Buryat A.S.S.R.--Cattle)

BULGATOV, Andrey Vastl'yevich; EURAFYEVI, V.E., rea.

[Arshan Health Recort] Kurort Arshan. Ulan-Ede, Euriatskoe knizhnoe izd-vo, 1964. 139 p.

(MIRA 18:1)

#### KURMAYEWA, Maria

Some clinical, biochemical and hematological tests determining the degree of activity of rheumatic disease. Reumatologia (Warsz.) 1 no.1:17-24 \*63.

1. Z Katedry Chorob Wewnetrznych Instytutu Medycznego w Jaroslawiu (ZSRR) (Kierownik: prof. dr med. M.E. Kurmajewa).

KURMAZ, B.V.

Study of the glycosides of Centaurea scabiosa L. Farmatsev. zhur. 16 no. 2:39-42 161. (MIRA 14:4)

1. Kafedra tekhnologii likiv ta galenovikh preparativ Dnipropetrovs'kogo medichnogo institutu, zav. kafedroyu dots. V.K. Yashchenko. (GLYCOSIDES) (FLAVONES)

Analysis of the performance of the hydraulic system of a helicopter.
Avbi kosm. 45 no.5:61-64 My '63. (MILA 16:5)

(Helicopters—Hydraulic equipment)

KHORAVA, G.V.; KISLENKO, N.S.; KURMAZIYA, N.M.; AKUSBA, Z.V.

Treatment of ascariasis with naphthamon (alcopar). Med. paras. 1 paras. bol. 32 no.4:397-399 Jl-Ag '63. (MIRA 17:8)

1. Iz Gudautskoy infektsionnoy bol'nitsy Ministerstva zdravo-okhraneniya Abkhazskoy ASSR.

KHORAVA, G.V.; KURMAZIYA, N.M.; AKUSBA, Z.V.

Testing the preparation, chloroquine, in human ascariasis. Med. paraz.i paraz.bol no.3:340-341 '61. (MIRA 14:9)

1. Iz Gudautskoy infektsionnoy bol'nitsy Ministerstva zdravookhraneneiya Abakhzekoy ASSR. (ASCARIDS AND ASCARIASIS) (QUINOLINE)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927720014-9"

. 海洲縣

SUROGIN, P., polkovník; KURPELEV, P., podpolkovník

Experience in building bridges over shallov water. Voen.-inzh.
zhur. 102 no.6:17-20 Je '58. (MIRA 11:6)

(Military bridges)

```
Fungus diseases of ornamental trees and shrubs in Donets Basin cities. Biul.Glav.bot.sada no.27:96-98 '57. (MLRA 10:5)

1.Kiyevskiy gosudarstvennyy universitet im. T.G. Shevchenko. (Donets Basin--Fungi, Phytopathogenic) (Trees--Diseases and pests)

(Shrubs--Diseases and pests)
```

KOVAL', Ye.Z.; KURMELEVA, N.F. [Kurmel'ova, N.F.]; LAVITSKAYA, Z.G. [Lavitska, Z.H.]

Parks of the southern Ukraine. Visnyk Kyiv.un. no.1. Ser.biol. no.2:5-11 '58. (MIRA 16:4)

(UKRAINE-FUNGI, PHYTOPATHOGENIC)
(UKRAINE-WOODY PLANTS&-DISEASES AND PESTS)

EURMEY, Tevgeniy Stepanovich; KOMTSOV, Aleksandr Grigor'eyvich; SMIRHOV,

T.K., Otvětstvennyy redsktor; USHAKOV, K.Z., otvetstvennyy redsktor;

ORISHATENKO, M.I., redsktor izdstel'stva; SABITOV, A., tekhnicheskiy
redsktor

[Ventilation of mines in the Kusnetsk Bexin] Provetrivanie shakht
Kusbassa. Moskva, Ugletekhizdat, 1957. 173 p. (MLRA 10:9)

(Kuznetsk Besin--Mine ventilation)

weducing air leakego in Kuznotok Dapin mines. Ugol' 36 me.2:41-46 g' 61.

1. Kenerovskiy goenyy institut.
(Kuznotok Basin-Mine ventilation)

16150

S/690/62/003/000/003/009 D201/D308

.UTHOR:

Kurmit, A.A.

TITLE:

Comparison of different methods of estimating the accuracy of the Runge-Kutta method

SOURCE:

Akademiya nauk Latviyskoy SGR. Institut elektroniki i vychislitel'noy tekhniki. Trudy, v. 3, 1962. Avtomatika i vychislitel'naya tekhnika, no. 3, 23-33

TEXT:

TEXT: Expressions are derived for the remainder term of the Runge-Kutta method applied to the differential equation

 $x' = f(t,x) \quad \left( i = \frac{d}{dt} \right) \tag{1.1}$ 

with initial conditions

 $x(t_0) = x_0. \tag{1.2}$ 

and using the assumptions of L. Bierberbach and O. Vejvoda (Aplikace

Card 1/2

Comparison of different methods ...

\$/690/62/003/000/003/009 D201/D308

mat., v. 2, no. 1, 1957, 1-25). The expressions obtained result in a much better approximation than that obtained by other methods. The author transforms this remainder term for the case of the most common values of its coefficients and eventually derives a numerical formula for estimating it by taking the average values of the integrals of scalar functions constituting the terms of this remainder.

13

Card 2/2

KURMIT, A. [Kurmitis, A.]

Reduction to the Runge-Kutta method of a procedure for evaluating the error involve; in difference methods for numerical integration. Izv.AN Latv.SSR no.6:49-58 '63. (MIRA 17:4)

1. Institut elektroniki i vychislitel'noy tekhniki AN LatvSSR.

KURMIT, A. [Kurmitis, A.]

Applying a procedure for evaluating errors in differential methods of numerical integration to the Runge-Kutta method. Izv.AN Latv.SSR no.7:75-84 '63. (MIRA 17:4)

1. Institut elektroniki i vychislitel'noy tekhniki AN LatvSSR.

KURMIT, A.A.

Theory of errors in the Runge-Kutta method. Vest. LGU. 18 no.19:35-48 '63. (MIRA 16:11)

L 8522-66

ACC NR: AT5027521

SOURCE CODE: UR/2690/65/008/000/0071/0077

AUTHOR: Zdankevich, V. L.; Kurmit, A. A.

ORG: Institute of Electronics and Computer Technology AN LatSSR, Riga (Institut elektroniki

i vychislitel'noy tekhniki AN LatSSR)

TITLE: Arithmetic automaton device for electronic circuit testing

SOURCE: AN LatSSR. Institut elektroniki i vychislitel'noy tekhniki. Trudy, v. 8, 1965.

Avtomatika i vychislitel'naya tekhnika, 71-77

TOPIC TAGS: automatic machine, automaton, electronic circuit, electronic test equipment

ABSTRACT: The arithmetic device under study is a part of a special-purpose setup for the testing of electronic circuit parameters. Since it is not subjected to high speed requirements, an accumulator-type adder may be used. This simplified the scheme of the arithmetic device, reduced the number of parts needed, and thus augmented its reliability. The adder is made of two triggering registers. The article presents the block diagram of the entire arithmetic device, and of the local control unit and time diagrams at various points of the circuitry. Orig. art. has: 7 formulas and 3 figures.

SUB CODE: EC, IE, DP / SUBM DATE: 00 / ORIG REF: 001

UDC: 681.142.642.2

Card 1/1

ACC NR: AR6027187

SOURCE CODE: UR/0271/66/000/005/B032/B032

AUTHOR: Kurmit, A. A.

TITLE: A formalized method for describing the operation of a diode matrix

SOURCE: Ref. zh. Avtomat telemekh i vychisl tekhn, Abs. 5B246

REF SOURCE: Sb. Avtomatika i vychisl. tekhn. 8. Riga, Zinatne, 1965, 45-48

TOPIC TAGS: mathematic matrix, computer circuit, coincidence circuit

ABSTRACT: A formalized method is proposed for describing the operation of an AND-type diode matrix. The method is suitable for computer analysis of loads placed on individual elements. All vertical lines and all horizontal matrix line pairs are indexed. The principle of mathematical model formulation consists of the following: the vertical lines become the columns of the mathematical matrix and the horizontal line pairs become the rows of the same matrix. If the vertical line is connected to the "1" line of the horizontal pairs through a diode, a l is entered on the intersection of corresponding row and column of the mathematical matrix; if the "0" line is the second diode connecting point, then a 0 is entered in the mathematical matrix. Thus, a conductance matrix is formed which may be used to determine the loads placed on output lines of the matrix and the input switching elements. An example of a diode matrix for binary-decimal to decimal code conversion is examined. [Translation of abstract] lillustration and bibliography of 2 titles. WV. R.

SUB CODE: 09 Card 1/1

UDC: 681.142.63

ACC .NR. AP7007040

SOURCE CODE: UR/0197/66/000/008/0039/0045

AUTHOR: Kurmit, A. A.; Svilans, M. P. ORG: Institute of Electronics and Computer Technology AN LatSSR (Institut elektroniki i vychislitel'noy tekhniki AN LatSSR) TITLE: Distortion of the envelope of an amplitude modulated signal in the selective high frequency stage SOURCE: AN LatSSR. Izvesitya, no. 8, 1966, 39-45 TOPIC TAGS: Fil. radio signal SUB CODE: 17 ABSTRACT: The primary amplification of radio signals in a received is performed in the IF section. The distortions which may occur in this section, primarily non-linear distortion, should be studied separately for amplitude and frequency modulated signals. Non-linear distortions of a low frequency signal in the IP section may occur due to suppression of the carrier frequency relative to the side bands or due to asymmetry of the pass band relative to the central frequency of the amplified spectrum. A quantitative evaluation of these distortions was performed on the basis of certain mathematical considerations. A digital computer was used to calculate values of the coefficients of non-linear distortion caused both by suppression of the carrier relative to the side bands and by a shift of the central frequency of the signal relative to the axis of symmetry of the pass band. The results are presented as a set of curves. The functional dependence of distortions on the degree of over modulation can

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ACC NR: AP7007040

be approximated by the following formula:

 $K\% = 30 + 34.3a - 30(19-a/19)^{16}\%$ 

the formula can be used to calculate the dependence of the coefficient of nonlinear distortion on a shift of the modulated signal spectrum relative to the axis of symmetry of the frequency characteristic of if stage. It shows that the maximal possible distortion in the absence of over-modulation is 22.73%. The coefficient of non-linear distortion is found to be dependent on two factors, namely: the ratio of amplifications of side bands (least to greatest) b, and the ratio of carrier to upper side band (also least to greatest) d. Orig. art. has: 8 figures and 17 formulas. [JPKS: 38,330]

Card 2/2

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927720014-9"

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KUR 4UKOV, A.G., SULTANOV, M.B.

Effect of the alkalcid ervamin on blood compilation. Mad. zhur. Uzb. no.4:54-56 Ap '63. (MIRA 17:4)

l. Iz laboratorii farmakologii i khimioterapii (zav. - dotsent I.K. Kamilov) Instituta khimii rastitel'nykh veshciestv AN UZSSR.

KURMUKON,A.

USSR/Pharmacology. Toxicology. Cardio-Vascular Drugs **U-4** 

Abs Jour : Ref Zhur-Biol., No 7, 1958, 32907

Author

: Kurmukov A.

Inst'

: Tashkent State Medical Institute

Title

: Pharmaceutical Investigation of Some of the Plants of the Mustard Family in Uzbakistan for their Content of Cardiac Glucosides.

Orig Pub

: Nauchn. raboti stud. Tashkentsk. gos. med.

in-ta, Tashkent, AH Uzb SSR, 1956, 59-64

Abstract

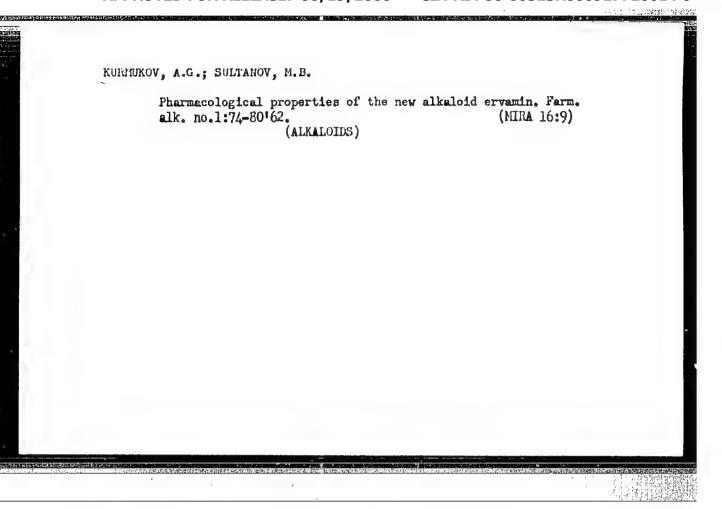
: No abstract.

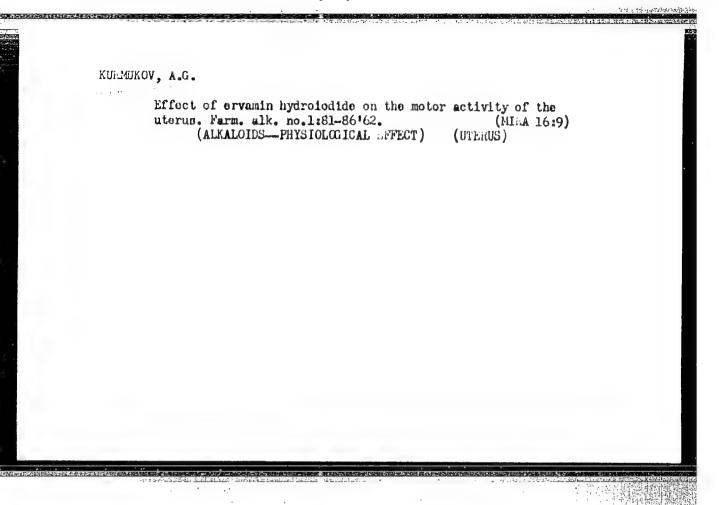
Card 1/1

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927720014-9

Pharmacology of the sum of alkaloids from the aboveground portion of Vinca erecta Rgl. et Schmalh. Farm.alk. no.1: 42-49162. (MIRA 16:9)

(PERIWINKLE (BOTAMY)) (ALKALOIDS)





KUICENKOV, A.G.; SULTANOV, M.B.; YECOROVA, T.A.

Effect of ervamin hydroiodide on the effects caused by acetylcholine and on the activity of cholinesterase in the blood. Farm. alk. no.1:87-93'62. (MIKA 16:9)

(ALKALOIDS—PHYSIOLG ICAL EFFECT) (CHOLINE)

(CHOLINESTERASES)

Action of the alkaloids vincanine and ervamin on the bicelectric activity of the cerebral cortx and heart of dogs of different ages. Farm. alk. no.1:94-104'62. (MINA 16:9)

(ALKALOIDS—PHYSICLGICAL EFFECT)

(ELECTROPHYSICLGY)

## "APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000927720014-9

Collective Bargaining

New collective agreement. V pom. profaktivu 13, No. 4, 1952.

Monthly List of Russian Accessions, Library of Congress, March 1952. Unclassified.

# KURNAKOV, B.A.

Pharmacology of Scutellaria galariculate and Scutellaria scordifolia, author's abstract. Farm. 1 toks. 20 no.6:79-80 N-D '57 (MIRA 11:6)

1. Kafedra farmakolo.ii (zav. - prof. Ye.M. Dumenova) Tomskogo moditsinskogo instituta. (PLANTS.

scutellaria galericulata & scordifolia, pharmacol. (Rus))

## "APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000927720014-9

Comparative evaluation of the phytonoidal action of Paeonia anouala L. grown under different conditions. Bot.zhur.42 no.8:1285-1286 Ag '57.

(MIRA 10:9)

1. Tomskiy meditainakiy institut.

(Peonies) (Phytonoides)

STEKHUN, F.I., kend.med.nauk; KURNAKOV, B.A., assistent

Dermatitis vaused by Dictamnus dasycarpus. Vest.derm.i ven.
no.1:67-70 '62.

1. Iz kliniki kozhnykh i venericheskikh bolezney (zav. - kand.
med.nauk F.I. Stekhun) i kafedry farmakologii (zav. - prof. K.A.
Meshcherekaya) Elagoveshchenskogo meditsinskogo instituta (dir. kand.med.nauk M.K. Nadgeriyev).

(SKIN--DISEASES) (FRAXINELLA-TOXICOLOGY)

S/120/62/000/002/036/047 E194/E435

AUTHORS: Gusev, A.A., Kurnakov, K.V.

Card 1/2

TITLE: A portable thickness meter based on gamma-ray scatter PERIODICAL: Pribory i tekhnika eksperimenta, no.2, 1962, 150-154

TEXT: Measurement of gamma-ray scatter is considered a most promising way of measuring from one side only, the thickness of solids several mm thick. A device of this kind is very useful in measuring the wall thickness of boilers, pipework and the like. Formulae are derived for the amount of gamma-ray scatter from a substance of given thickness irradiated at a given angle and for the error of measurement. The formula for error as function of thickness has a minimum point which, for cast iron, occurs at a thickness of 3 mm, though the measurements can, in principle, be made at thicknesses up to 20 mm. The instrument and its circuit are described. The gamma-ray source is the phosphorus-molybdenic acid salt of Cs<sup>137</sup> contained in a lead sheath 13 mm thick. A disadvantage of existing thickness meters of this kind has been the low sensitivity of the gas-

discharge counters used, the present instrument uses two gas

A portable thickness meter ...

S/120/62/000/002/036/047 E194/E435

discharge counters type BC-13 (VS-13) which are of high sensitivity particularly at the low end of the scale. Provision is made to compensate for direct gamma-rays so as to measure only the scatter. The instrument is fully transistorized and is contained in a carrying case of 32 x 29 x 19 cm, the total weight being 3.5 kg. The source unit weighs only 750 g. The instrument can measure the thickness of cast iron and steel up to 20 mm, in the thickness range 3 to 9 mm the error is about 3%, for other thicknesses the error may increase to 10%. The instrument may be used with other materials besides cast iron and steel, provided that it is first calibrated with them. The instrument has been tested in the laboratories of the Institute and at Leningrad Paper Factory No.1, and was found completely satisfactory.

ASSOCIATION: Leningradskiy inzhenerno-stroitel'nyy institut
(The Leningrad Construction Engineering Institute)

SUBMITTED: July 18, 1961

Card 2/2

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GUSEV, A.A.; KURNAKOV, K.V.; KOZLOV, Ye.A.; MITROFANOV, I.A.; KHAZRON, G.P.

Determining condensate accumulations in gas pipelines by a radiometric indicator. Gaz. prom. 10 no.8:42-45 '65. (MIRA 18:9)

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| The looking gives a description of the significance of cachunes as decimative and cultural plants, and includes a bring state of the sequentiable limitative of cachurer and a classification of the principal arms and the relative cachurer indice.  |
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| 50: <u>Selektirine Jailit</u> (Carlot Boots), No. <b>186</b> , 1953, Norcott, (U-6972)   |
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| ACCESSICA IR: AP4029841  S/0219/64/000/002/0164/0166  AUHICR: Kurnakov, N. N. (Moscow) (deceased); Savel'yeva, M. N. (Moscow)  TITIE: Proporties of solid solutions of the Mb-Mo-Cr ternary system at high temperatures  SCURCE: AN SSSR. Izv. Metallurgiya i garnaye delo, no. 2, 1964, 164-166  TOPIC TAGS: niobium base alloy, molybdonum containing alloy, chromium containing alloy, alloy hot hardness, alloy oxidation, oxidation rate, oxidation resistance  ABSTRACT: Hot hardness and oxidation behavior of two series of Nb-Mo-Cr alloys were investigated. One series contained 2.5 at/, chromium and 0-20 at/, molybdenum, the other 5.0 at/, chromium and 0-20 at/, molybdenum. The specimens were subjected to homogenization cannealing in a TVV-2M furnece for 100 hours in an argon atmosphere at 1500C. Both molybdenum and chromium increased the hardness of the alloys at temperatures up to 1100C. Chromium in mounts up to 5.0 at/, had no substantial effect on the character of alloy exidation; alloys containing 5.0 at/, nolybdenum and 2.5 or 5.0 at/, chromium have the lowest rate of exidation. Orig. art. has: 3 figures and 2 tablos.   |  |  | ·  |  |
|--|--|--|--|--|
| AUMICR: Kurnakov, N. N. (Moscow) (deceased); Savol'yeva, M. M. (Moscow)  TITIE: Proporties of solid solutions of the Mb-Mo-Cr ternary system at high temperatures  SCURCE: AN SSSR. Izv. Metallurgiya i gornoye delo, no. 2, 1964, 164-166  TOFIC TAGS: niobium base alloy, molybdonum containing alloy, chromium containing alloy, alloy hot hardness, alloy oxidation, oxidation rate, oxidation resistance  ABSTRACT: Hot hardness and exidation behavior of two series of Nb-Mo-Cr alloys were investigated. One series contained 2.5 at/, chromium and 0-20 at/, molybdonum, the other 5.0 at/, chromium and 0-20 at/, molybdonum. The specimens were subjected to homogenization annealing in a TW-ZM furnace for 100 hours in an argon atmosphere at 1500C. Both molybdonum and chromium increased the hardness of the alloys at temperatures up to 1100C. Chromium in amounts up to 5.0 at/, had no substantial effect on the character of alloy oxidation; alloys containing 5.0 at/, molybdenum and 2.5 or 5.0 at/, chromium have the lowest rate of oxidation. Orig. art. has: 3 figures and 2 tablos.  | L 2103-55 EAT(m)/EP  | F(n)-2/ZP4(cb)-2/ZAP(q)/Z  | m(p) Pa-4 JD/JC/WB   |  |
| TITIE: Proporties of solid solutions of the Mb-Mo-Cr ternary system at high temperatures \frac{17}{\sqrt{1}} \frac{1}{\sqrt{1}} | ACCESSION MR: AP4029841  |  | 8/0279/64/000/002/016  | 34/0166  |
| TITIE: Proporties of solid solutions of the Nb-Mo-Cr ternary system at high temperatures  SOURCE: AN SSSR. Izv. Metallurgiya 1 gornoye delo, no. 2, 1964, 164-166  TOPIC TAGS: niobium base alloy, molybdonum containing alloy, chromium containing alloy, alloy hot hardness, alloy exidetion, exidetion rate, exidation resistance  ABSTRACT: Hot hardness and exidetion behavior of two series of Nb-Mo-Cr alloys were investigated. One series contained 2.5 at/, chromium and 0-20 at/, molybdenum, the other 5.0 at/s chromium and 0-20 at/, molybdenum. The specimens were subjected to homogenization cancelling in a TVV-ZM furnace for 100 hours in an argon atmosphere at 1500C. Both molybdenum and chromium increased the hardness of the alloys at temperatures up to 1100C. Chromium in amounts up to 5.0 at/s had no substantial effect on the character of alloy exidation; alloys containing 5.0 at/s molybdenum and 2.5 or 5.0 at/s chromium have the lowest rate of exidation. Orig. art. has: 3 figures and 2 tables.   | AUBICR: Kurnakov, N. N.  | (Moscow) (deceased); Say   | ol'yeva, M. M. (Moscor)  | 25   |
| TOPIC TAGS: niobium base alloy, molybdonum containing alloy, chronium containing alloy, alloy hot hardness, alloy exidation, exidation rate, exidation resistance  [4]  ABSTRACT: Hot hardness and exidation behavior of two series of Nb-Mo-Cr alloys were investigated. One series contained 2.5 at/ chronium and 0-20 at/s molybdenum, the other 5.0 at/s chronium and 0-20 at/s molybdenum. The specimens were subjected to homogenization annealing in a TVV-24 furnace for 100 hours in an argon atmosphere at 1500C. Both molybdenum and chronium increased the hardness of the alloys at temperatures up to 1100C. Chronium in amounts up to 5.0 at/s had no substantial effect on the character of alloy exidation; alloys containing 5.0 at/s molybdenum and 2.5 or 5.0 at/s chronium have the lowest rate of exidation. Orig. art. has: 3 figures and 2 tables.   | TITIE: Proporties of so  | lid solutions of the $\frac{\text{Nb}}{27}$  | Mo-Cr ternary system at  | high   |
| Milderhalm of the second secon | TOPIC TAGS: niobium bas alloy, alloy hot hardness were investigated. One the other 5.0 at chr jected to homogenization atmosphere at 15000. Be alloys at temperatures u stantial effect on the edenum and 2.5 or 5.0 at constantial of the stantial of the | and oridation behavior of sories emtained 2.5 at/ canium and 0-20 at/ molybd annealing in a TVV-2M furth molybdenum and chromium in diaracter of alloy oridatic chromium have the lowest | ining alloy, chronium co<br>tion rate, oxidation res<br>two series of Nb-Mo-Cr<br>chronium and 0-20 st/mo<br>enum. The specimens wer<br>whose for 100 hours in s<br>in increased the hardness<br>amounts up to 5.0 at/ha<br>on; alloys containing 5. | ntaining iistance alloys olybdenum, re sub- un argon of the ul no sub- |

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KURNAKOV, N. N.

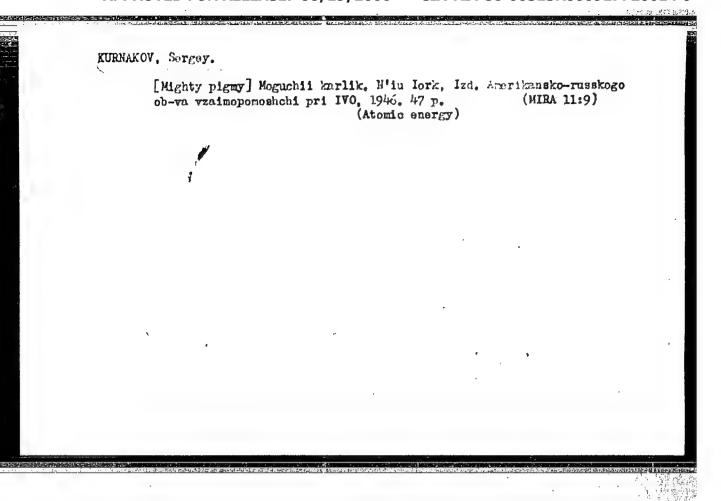
C' 1962

METTALUROY - special alloys

see ILC

KURMAKOV, N.V.

Taxonomy of Carabus escheri (Coleoptera, Carabidae) from the Carpathian Mountains based on the internal structure of male genitalia. Nauk. sap. UzhGU 40:193-197 '59. (MINA 14:4) (Carpathian Mountains—Ground beetles)



SAVELYEV. V.P.; KGVAL'SKAYA, A.V.; BERUKOV, F.V.; GALKIN, YU.P.; KROKHOTIN, A.L.; SINEGUBKIN, V.V.; EPSHTEYN, A.L.; TSIRKIN, M.Z.; LAVRUSHINA, N.S.; GUBAREV, A.A.; KONTOROVICH, L.M.; KOROLEV, V.N.; USTIMENKO, I.L.; KURIMKOV, S.N.; POLUSHKIN, M.K.; LIBE, N.A.; IVANOV, M.P.; D'YACHENKO, G.T.; FILIPPOV, I.F.; KHUTORETSKIY, G.M.; VARTANYAN, G.P.; RUSGV, Ye.Kb.; BARKAN, L.Z.; KOLONEKAYA, L.M.; GORBATENKO, F.I.

Inventions. Energ. i elektrotekh. prom. no.4:39 C-D foz. (MIRA 18:3)

GRIGOR YEV, P.M., elektrik; KURNAKOV, S.N.

Heating of rotor bands of turbogenerators by current of commercial frequency. Energetik 10 no.12:19-20 D \*62. (MIRA 16:1) (Turbogenerators)

L 18053-63 EPR/EWP(r)/EWP(j)/EPF(c)/EWT(1)/EPF(n)-2/EWT(m)/RDS/ES(v)/ES(w)-2 AFFTC/ASD/SSD Pab-4/Pe-4/Ps-4/Pc-4/Pr-4/Pu-4 RM/WW/MAY
ACCESSION NR: AP3002807 S/0207/63/000/C03/0067/2070

AUTHORS: Vasil'vev, G. I.; Dem'yanov, Yu. A.; Kurnakov, V. I.; Malakhov, A. V.; Rakhwatulin, Kh. A.; Rumy\*nskiy, A. N. (Moscow)

TITLE: Experimental determination of the coefficient of heat conductivity of heat-insulated materials by the method of automodel behavior

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 3, 1963, 67-70

TOPIC TAGS: heat conduction, coefficient of heat, automodel

ABSTRACT: The authors propose an experimental method for determining the coefficient of heat conductivity of a material which makes use of the fact that, with the transformation  $\xi = x/\sqrt{t}$ , x being position and t being time, if the material is essentially one-dimensional as in an infinite rod (i.e., the transtem than the thickness at the time of the experiment) then T as a function of  $\xi$ 

$$c_p \gamma \frac{dT}{d\xi} = -\frac{2}{\xi} \frac{d}{d\xi} \left( \lambda \frac{dT}{d\xi} \right) \tag{1.1}$$

Card 1/2

L 18053-63 ACCESSION NR: AF3002807 0

where  $\nearrow$  is the coefficient of heat conductivity to be determined and  $c_p$  and  $\[ \]$  are the thermal capacity and specific weight which are considered known functions of  $\[ \]$ . Thus it is sufficient to determine the character of the temperature change at one point of the specimen in order to know the entire temperature field  $\[ \]$  at one point of the specimen in order to know the entire temperature field  $\[ \]$  Integrating (1.1) from  $\[ \]$  to  $\[ \]$  and letting  $\[ \]$   $\[ \]$   $\[ \]$  as  $\[ \]$   $\[ \]$   $\[ \]$ 

 $\lambda (\xi) = \frac{1}{2(dT/d\xi)} \int_{\xi}^{\infty} c_p \gamma \frac{dT}{d\xi} \xi d\xi \tag{1.2}$ 

Orig. art. has: 4 formulas and 6 figures.

ASSOCIATION: none

SUB CODE: PH

SUEMITTED: 12Jun62

DATE ACC: 16Jul63

ENCL: CO

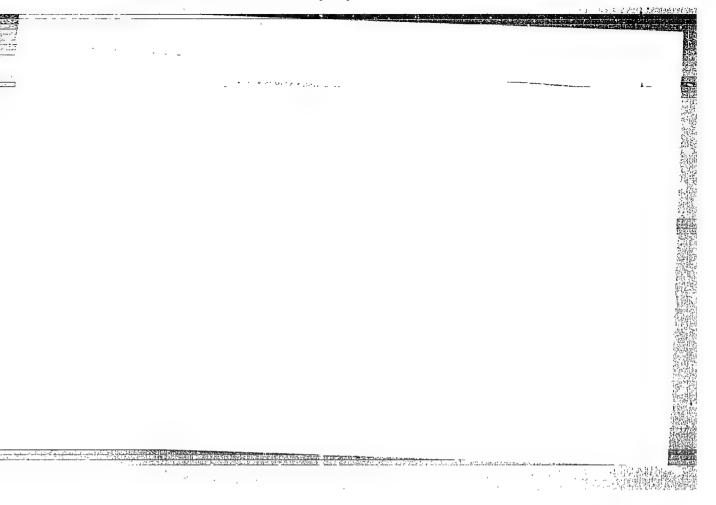
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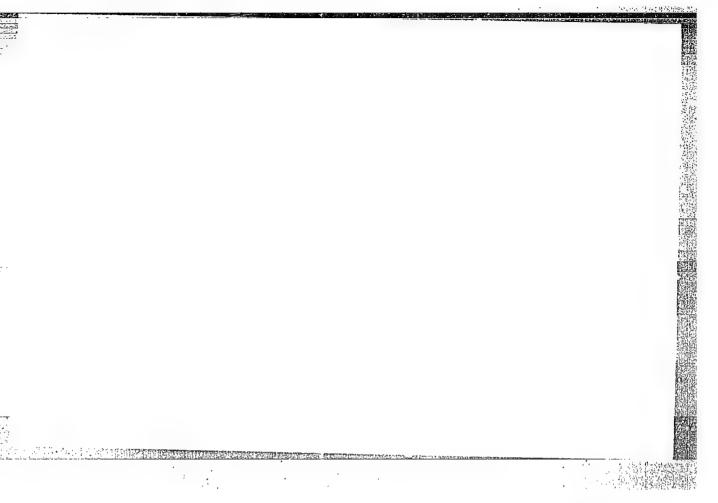
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Card 2/2

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000927720014-9"





KURNAKOV, V.N.(s.Otkhara, Gudautskogo royoca, Abkhazskoy ASSR)

Studying the fauna of ground beetle(Coleoptera, Carabidae) of the Gaucasus, Pt. 1:Pterostichus ordinatus Fisch.-A. and certain allied species [with summary in French]. Ent. ohoz. 37 no. 2:414-431\*58.

(HIRA 11:7)

(Gaucasus--Ground beetles)

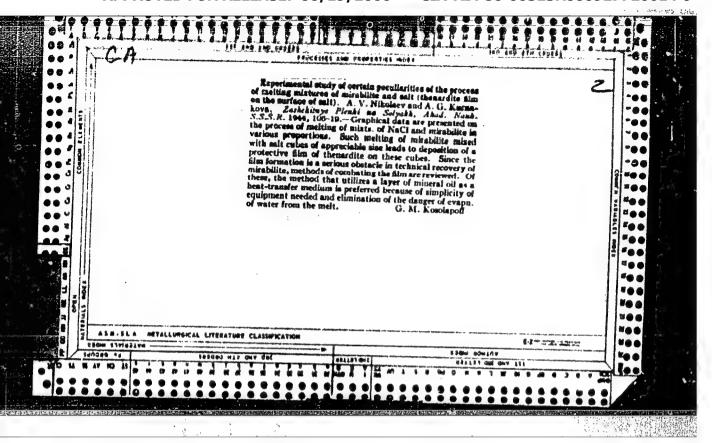
BOGACHEV, A.V.: KURNAKOV, V.N.

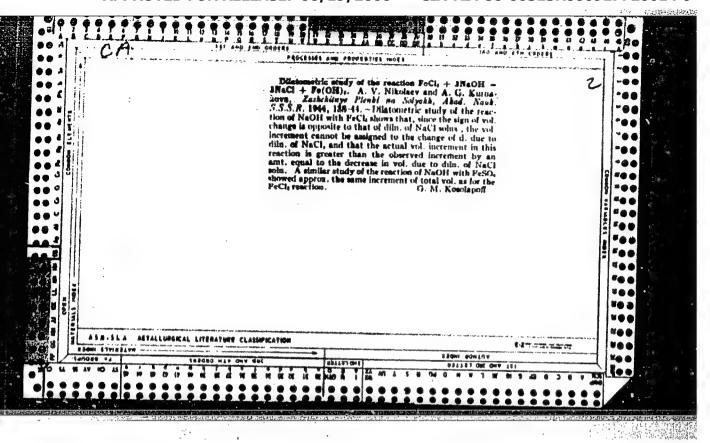
A new species of the genus Pterostichus Bon (Coleoptera, Carabidae) from Ossetia [with summary in French]. Ent. oboz. 37 no.1:174-175 '58. (MIRA 11:3)

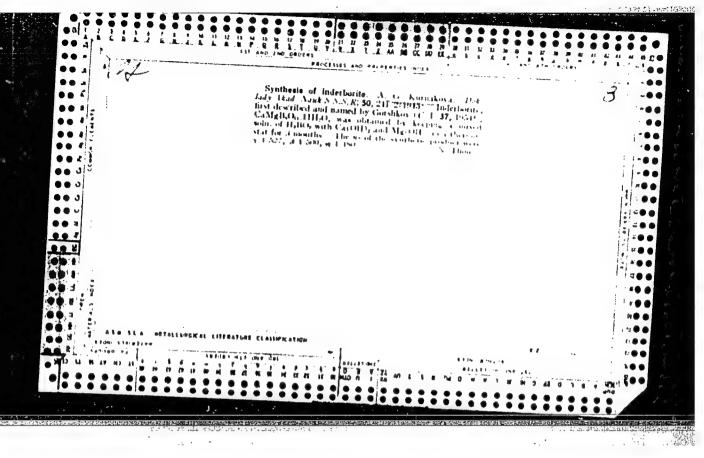
New species of ground beetles of the tribe Deltomerini (Coleoptera, Carabidae) from China. Ent. oboz. 42 no.2:410-414 '63.

(Szechwan Province—Ground beetles)

(MIRA 16:3)

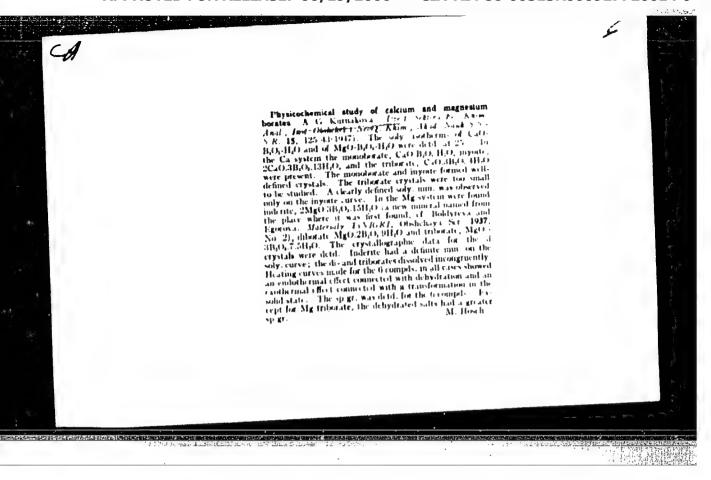






#### "APPROVED FOR RELEASE: 06/19/2000

## CIA-RDP86-00513R000927720014-9



5(2), 21(0)

AUTHORS:

507/78-4-7-39/44 Nikolayev, A. V., Kurnakova, A. G., Rumyantseva, Z. G.

TITLE:

Some Data on the Chemistry of Protactinium (Nekotoryye dannyye po khimii pretaktiniya)

PERIODICAL:

Zhurnal neorganicheskoy khimii, 1959, Vol 4, Nr 7, pp 1682-1686 (USSR)

ABSTRACT:

The work carried out by the authors developed simultaneously with similar investigations carried out in foreign countries, so that parts of it have already been published elsewhere (Refs 1-3). In the present article results hitherto not published are given. The protactinium Pa233 was obtained by irradiation (20 h) of solid thorium nitrate. Its half-life was about 27 days. An investigation was carried out of the coprecipitation of Pa by thorium precipitates, by MnO(OH)2,

Fe(OH)3, and other carriers, as well as of the behavior of Pa during extraction. Table 1 gives the data of the co-precipitation

of Pa 233 with thorium- and calcium precipitates (thorium oxycarbonate, - hydroxide, -peroxide, - oxalate, - icdate,

Card 1/3

-chromate, -salicylate, -fluoride, potassium-thorium sulfate,

507/78-4-7-39/44

Some Data on the Chemistry of Protactinium

calcium oxalate and calcium carbonate). Thorium fluoride takes no Pa into the precipitate as shown by table 2. All precipitates mentioned are soluble in ammonium carbonate, where the entire activity of the Pa is dissolved. The method of "similar carriers" was used for the purpose of separating Pa from Th. It is based upon the precipitation of calcium exalate of -carbonate from solutions of thorium bioxalate or -bicarbonate, i.e. on the reaction with the same anion. This method is applicable a so to other active nuclei (e.g. splinter nuclei) The co-precipitation of Pa by manganese dioxide was already published in reference 1. Table 3 shows the results obtained by the authors. It shows that in the case of a single precipitation it is worth while to increase the quantity of the carrier substance to 5 mg/ml. In the case of a double precipitation ! mg/ml will be sufficient. 2-3% of the Pa are not co-precipitated. Precipitation, however, becomes much more complete if initial intensity is increased. Table 4 shows the filling results obtained in the case of a primary activity of 1.06.108 imp/min as against 106 imp/min shown in table 3. By using the complex formation with salicylic acid an extraction

Card 2/3

Some Data on the Chemistry of Protactinium.

507/78-4-7-39/44

method was worked out. Extraction is carried out with acetone, and the acetone- and water phases are separated into component parts by means of a saturated CaCl<sub>2</sub>-solution. A quantitative extraction with Th is carried out. By this method it is possible to extract also U(VI) and Pu(IV) and all 4-, 5-, and 6-valent elements. There are 4 tables and 3 references,

SUBMITTED:

February 11, 1958

Card 3/3

KARNAKOVA, A. G.

PA 8/49T11

UBBR/Chemistry - Systems Chemistry - Solubility

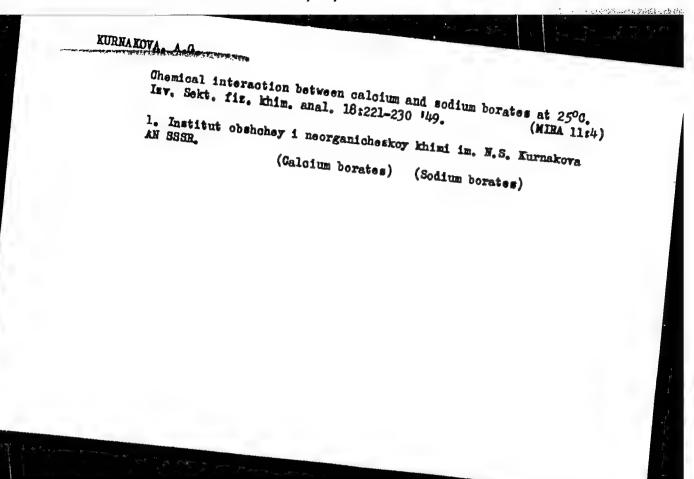
Jul/Aug 48

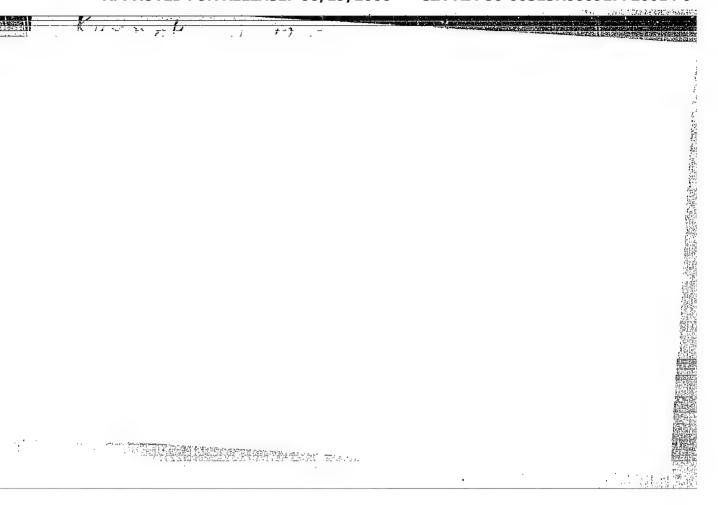
"Isotherms of the Solubility of the System Na<sub>2</sub>O - CaO - B<sub>2</sub>O<sub>3</sub> - H<sub>2</sub>O at 25° C," A. G. Kurnakova, A. V. Nikolayev, Inst Gen and Inorg Chem imeni N. S. Kurnakov, Acad Sci USSR,  $6\frac{1}{2}$  pp

"Iz Ak Nauk SSSR, Otdel Khim Nauk" No 4

Continues study of boric acid systems: object is to explain formation and transition of natural borates, in particular Inder deposits. Submitted 10 Nov 1947.

8/49T11





"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927720014-9

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|         |  | soyeding   | TOTACK: This book is intended for obsalets, as well as for<br>industrial personnel working with boron and its compounds.<br>COTEMACE: This collection consents it states | erties,<br>hky-two<br>ference<br>sky_fi<br>Earpov)   | the the runder principle in the control of the cont | 304/1916<br>d<br>daids  | grabinsk  |            | E 8  |  |  |
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| manual. |  |  | ·  | <u>-</u>   | pit a  |   |   |            |  | *  |  |

. AUTHORS: Nikolayev, A. V., Kurnakova, A. G. 78-3-4-32/38 Isoconcentrate of System U02(N03)2-NH4N03-HN03(C2H5)2-0-H20 TITLE: (Izokontsentrata sistemy  $UO_2(NO_3)_2-NH_4NO_3-HNO_3-(C_2H_5)_2O-H_2O)$ PERIODICAL: Zhurnal Neorganicheskoy Khimii, 1958, Vol. 3, Nr 4, pp. 1037-1043 ABSTRACT: The system UO<sub>2</sub>(NO<sub>3</sub>)<sub>2</sub>-NH<sub>4</sub>NO<sub>3</sub>-HNO<sub>3</sub>-(C<sub>2</sub>H<sub>5</sub>)<sub>2</sub>O-H<sub>2</sub>O is regarded an pentacomponent system and in the extraction of uranium from this system the phase rules of pentacomponent systems The salting-out effect in this system under addition of ammonium nitrate is explained in two ways: 1) by dehydration 2) by decreasing the dissociation of the compound to be ex-The distribution coefficient  $K_{\mathrm{p}}$  of uranylnitrate of aqueous solution under addition of salting-out compounds amounts to 0,7. The distribution coefficient does not change with the increase of the concentration of uranylnitrate. The distri Card 1/2

Isoconcentrat citysiem  $UO_2(EO_3)_2-NH_4NO_3-HNO_3-(C_2H_5)_2-O-H_2O$  78-3-4-32/38

bution coefficient increases with the increase of the acid concentration and the ammonium nitrate concentration. The optimum extraction of uranylnitrate lies in the range of double salts between ammonium nitrate and uranylnitrate. (2 NH<sub>4</sub>NO<sub>3</sub>·UO<sub>2</sub>(NO<sub>3</sub>)<sub>2</sub>·2 H<sub>2</sub>O).

The complete uranium extraction occurs indiluted uranium solutions and concentrated nitric acid solution as well as with an increase of the content of ammonium nitrate. There are 5 figures and 8 references, 3 of which are Soviet.

SUBMITTLD: May 9, 1957

Card 2/2

AUTHORS: Kurnakova, A. G., Nikolayev, A. V. 78-3-4-31/38 TIT LE: The Solubility Diagram of the Nitrates of Uranyl and Thorium With Salting-Out Components (Diagrammy rastvorimosti nitratov uranila i toriya s vysalivatelyami) PERIODICAL: Zhurnal Neorganicheskoy Khimii, 1958, Vol. 3, Nr 4, pp. 1028-1036 ABSTRACT: The solubility of nitrates of thorium and uranium was investigated by means of salting out components like NH3NO3 Ca(NO3)2  $Mg(NO_3)_2$ ,  $Zn(NO_3)_2$   $Cu(NO_3)_2$ ,  $Fe(NO_3)_3$ ,  $Al(NO_3)_3$  in 1.5 n  $ENO_3$ In the system  $NH_4NO_3 - UO_2(NO_3)_2 - 1.5$  n  $HNO_3 - H_2O$  the solubility diagram was investigated. The double salt  $2^2NH_4NO_3 - UO_2(NO_3)_2$ . . 2 H20 forming in this system was isolated in purest form. With an increase of the concentration of ammonium nitrate the solubility of uranylnitrate increases. The solubility of uranylnitrate was also investigated with Card 1/2 calcium , magnedum , copper and zinc nitrate as salting out

The Solubility Diagram of the Nitrates of Uranyl and Thorium With Salting-

compounds at 25°C. The solubility in the system thorium nitrate with nitrates of copper, iron and aluminum was determined. In the system Th(NO<sub>3</sub>)<sub>4</sub> Cu(NO<sub>3</sub>)<sub>2</sub> 1.5 n HNO<sub>3</sub> H<sub>2</sub>O the solubility curve has three sections: 1) Cu(NO<sub>3</sub>)<sub>2</sub>.3 H<sub>2</sub>O;
2) Th(NO<sub>3</sub>)<sub>4</sub>.4 H<sub>2</sub>O; 3) Th(NO<sub>3</sub>)<sub>4</sub>.6 H<sub>2</sub>O.

By the determination of the density of the solutions the distribution coefficients of uranium and thorium were determined in the above-mentioned systems. There are 17 figures, 8 tables, and 2 references.

SUBMITTED:

May 9, 1957

Card 2/2

HIKOLAYEV, A. V.; KURNAKOVA, A. G.; YAKOVLEV, I. I.

Study of extraction processes by means of physicochemical analysis. Zhur. neorg. khim. 5 no.8:1832-1839 Ag 160. (MIRA 13:9) (Extraction (Chemistry))

KURNAKOVA, A.G.; SHUBOCHKIN, L.K.

Solubility of Th(C<sub>2</sub>O<sub>4</sub>) .6H O in aqueous solutions of HNO<sub>3</sub> and H2C<sub>2</sub>O<sub>4</sub> at 25°C. Zhur.neorg.khim. 8 no.5:1249-1254 My '63. (MIRA 16:5)

(Thorium oxalates) (Solubility)

ZINCHENKO, Vasiliy Ivanovich; AURNATOV, V.D., nauchnyy red.; SHAURAK,
Ye.H., red.; LEVOCHKIMA, L.I., tekhn.red.

[Noise of marine engines] Shum sudovykh dvigatelei. [Leningrad]
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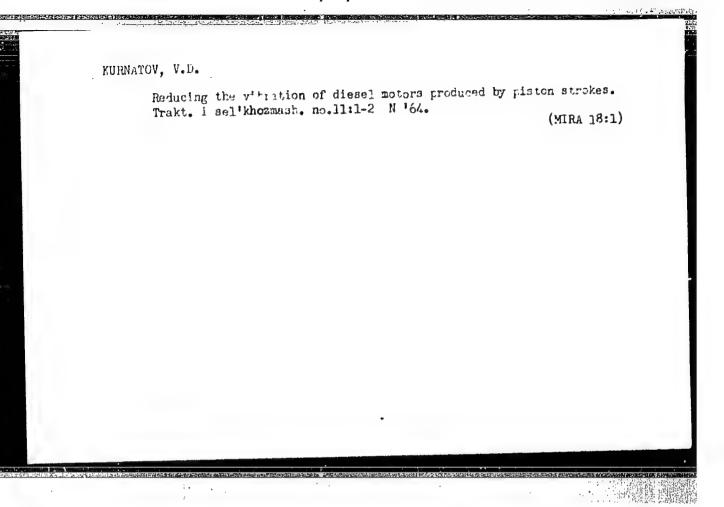
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